

IN THE CLAIMS:

Please amend claims 1-9; and

Please add claim 10 as follows.

1. (Currently Amended) A method ~~of routing a terminated call to a subscriber from an Internet Protocol based domain to a circuit switched domain, wherein said Internet Protocol based domain has call state control functionalities implemented, said method comprising: the steps of~~
receiving an invitation ~~of for said a~~ subscriber for a call by at least one call state control functionality implemented ~~withinin~~ said ~~an Internet Protocol~~ internet protocol based domain;
obtaining ~~the a~~ profile of said subscriber from said ~~a~~ home subscriber ~~serving means~~ server ~~to a at the~~ call state control functionality;
requesting further routing information from said home subscriber ~~serving means~~ server;
requesting a switching ~~means~~ center within said circuit switched domain currently visited by said subscriber for said ~~a~~ roaming number by said home subscriber ~~serving means~~ server;
returning said roaming number of said subscriber to said home subscriber ~~serving means~~ server by said visited ~~switching means~~ center;

returning said roaming number as said further routing information from said home subscriber ~~serving means~~server to said call state control functionality; and

establishing said call via a gateway means ~~for~~configured to connecting ~~connect~~ said domains as well as via said visited switching ~~means~~center to said subscriber.

2. (Currently Amended) ~~A~~ The method of routing a terminated call to a subscriber according to claim 1~~10~~, wherein

subsequent to the receipt of said invitation, and before said return of an indication, ~~a step of requesting the location of said subscriber is requested~~ from said home subscriber ~~serving means~~server ~~is performed~~; and

subsequent to said return of an indication, ~~a step of inviting another call state control functionality for said call is performed~~invited, wherein said other call state control functionality performs all subsequent ~~steps~~processes mentioned in claim 1 as related to said call state control functionality.

3. (Currently Amended) ~~A~~ The method of routing a terminated call to a subscriber according to claim 1~~2~~, wherein an ~~IP~~internet protocol multimedia functionality and a subset of home location registering functionality are integrated into said home subscriber ~~serving means~~server, and

said ~~registering request, if applicable, and return~~ is performed with said ~~IP~~internet protocol multimedia part;

said profile request and download is performed with said ~~IP~~internet protocol multimedia part;

said roaming number provision requesting ~~step~~ as executed to said home subscriber ~~serving means~~server is performed with said ~~IP~~internet protocol multimedia part;

subsequent thereto, ~~a step of~~ requesting said home location registering part for the provision of the roaming number of said subscriber is performed by said ~~IP~~internet protocol multimedia part;

said roaming number provision requesting ~~step~~ as executed to said visited switching ~~means~~center is performed with said home location registering part;

said roaming number returning ~~step~~ as executed by said visited switching ~~means~~center is performed with said home location registering part;

subsequent thereto, ~~a step of~~ returning said roaming number from said home location registering part to said ~~IP~~internet protocol multimedia part within said home subscriber ~~serving means~~server is performed; and

said roaming number returning step as executed to said serving call state control functionality is performed by said ~~IP~~internet protocol multimedia part.

4. (Currently Amended) ~~A~~The method ~~of routing a terminated call to a~~ subscriber according to claim 1, wherein ~~the step of~~ requesting further routing information from said home subscriber ~~serving means~~server involves the overriding of at

least one terminating call related service functionality within said home subscriber serving means server.

5. (Currently Amended) ~~A~~ The method of routing a terminated call to a subscriber according to claim 4, wherein the terminating call related service functionality is a supplementary service functionality.

6. (Currently Amended) ~~A~~ The method of routing a terminated call to a subscriber according to claim 4, wherein the terminating call related service functionality is an intelligent network trigger information related functionality.

7. (Currently Amended) ~~A~~ The method of routing a terminated call to a subscriber according to claim 1, wherein said step of requesting further routing information is performed by submitting a ~~Send Routing Information~~ send routing information message;

~~said step of requesting the provision of the roaming number of said subscriber are~~
performed by submitting a ~~Provide Roaming Number~~ provide roaming number message;

~~said step of returning said roaming number of said subscriber is performed by~~
submitting a ~~Provide Roaming Number~~ provide roaming number acknowledgment message; and

~~said step of returning said roaming number as said further routing information is performed by submitting a Send Routing Information~~send routing information acknowledgment message.

8. (Currently Amended) ~~A serving call state control functionality device for providing a routing service to a circuit switched domain, said serving call state control functionality device providing a functionality of an Internet Protocol based domain and comprising means which are adapted to perform related steps of the method according to~~
~~claim 1.~~ An apparatus, comprising:

an invitation receiver configured to receive an invitation for a subscriber for a call within an internet protocol based domain;

a profile receiver configured to receive a profile of said subscriber;

a roaming number receiver configured to receive a roaming number; and

an establisher configured to establish said call via a gateway to said subscriber.

9. (Currently Amended) ~~A home subscriber serving device capable of using routing information for terminating a call to a subscriber~~An apparatus, comprising

an IP-internet protocol multimedia part and a home location registering part interfaced to each other,

wherein the internet protocol multimedia part comprises profile provision circuitry configured to provide the profile of a subscriber and a roaming number as routing information, and

wherein said home location registering part comprises a transceiver means capable of requester configured to request requesting and receiving roaming numbersnumber from the a circuit switched domain, and a receiver configured to receive the roaming number from the circuit switched domain.

10. (New) The method according to claim 1, wherein
subsequent to the receipt of said invitation, returning an indication from the home subscriber server that said subscriber is not registered within said internet protocol based domain.